

Water-Data Report 2008

**01465893 LITTLE CREEK AT CHAIRVILLE, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 39°53'53", long 74°47'18" referenced to North American Datum of 1983, Medford Township, Burlington County, NJ, Hydrologic Unit 02040202, at bridge on State Route 70 in Chairville, 250 feet east of Skeet Road, and 4.7 mi upstream of mouth and Southwest Branch Rancocas Creek.

DRAINAGE AREA.--6.32 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 1998 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Nov 17, 2007	3.34
Feb 26, 2008	9.38
May 19, 2008	11.8
Aug 4, 2008	0.78

## 01465893 LITTLE CREEK AT CHAIRVILLE, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 19.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)
Nov 07...	1110	3.3	1.1	.319	.247	761	12.6	102	4.3	121	8.0	8.0	11
Feb 26...	1140	9.4	.8	.474	.354	751	--	--	4.0	101	--	4.2	11
May 19...	1150	12	1.8	.491	.382	747	8.3	82	4.2	88	15.0	13.7	8
Aug 04...	1100	.78	2.6	.262	.206	758	--	--	--	--	28.0	22.6	10

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 07...	2.06	1.35	1.14	12.7	<6	22.3	<.12	5.9	12.0	--	78	2	.33
Feb 26...	2.36	1.26	.84	9.02	--	14.8	<.12	5.4	14.1	--	66	4	.31
May 19...	1.64	.949	.92	9.05	<1.7	15.3	<.12	4.9	4.82	--	83	2	.54
Aug 04...	1.71	1.33	1.38	16.7	E5	27.5	<.12	1.8	3.85	E58	102	2	.32

## 01465893 LITTLE CREEK AT CHAIRVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
<b>Nov 07...</b>	.043	.07	E.03	.40	E.43	<.010	.009	.012	.3	<.04	.3	7.4	17
<b>Feb 26...</b>	.018	.06	<.04	.37	--	E.006	.009	.013	.3	<.04	.3	10.8	15
<b>May 19...</b>	.040	E.04	.05	E.58	E.63	E.009	.022	.029	.7	<.04	.7	17.9	16
<b>Aug 04...</b>	.024	.07	.06	.39	.46	E.009	.015	.029	.6	<.04	.6	5.4	21